



United States Government

Department of Energy

memorandum

Carlsbad Field Office
Carlsbad, New Mexico 88221DATE: **SEP 14 2004**REPLY TO
ATTN OF: CBFO:NTP:KWW:JGW:04-1980:UFC:5822SUBJECT: Annual Recertification of RFETS' TRU Waste Program Certification Authority and
Expansion to Include S4000 Wastes (Audit A-04-10)

TO: Frazer Lockhart, DOE-RFPO Manager



The Carlsbad Field Office (CBFO) completed the annual evaluation of the Rocky Flats Environmental Technology Site's (RFETS) TRU Waste Program. In addition, activities for S4000 waste (soils/gravels) were evaluated. All processes were determined to be compliant with the "Waste Analysis Plan" (WAP) of the WIPP *Hazardous Waste Facility Permit*, the *TRUPACT-II Authorized Methods for Payload Control*, the *DOE Quality Assurance Program Document*, the *Quality Assurance Program Plan for TRUPACT-II Gas Generation Test Program*, the *Contact-Handled Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant*, and other CBFO requirements. Audit A-04-10 was conducted March 30 through April 2, 2004 at RFETS and the audit team determined that all audited processes were effectively implemented.

Based on the results of A-04-10, the CBFO is continuing the authority for certification, characterization, and transportation of contact handled, retrievably stored and newly generated homogeneous solids (S3000) and debris (S5000) waste and is expanding the authority for certification, characterization, and transportation of soils and gravels (S4000). The attachments to this letter contain the complete lists of currently certified procedures, documents, and systems.

TRU waste certification, characterization, or transportation using significantly revised or new processes, procedures, or systems must be evaluated by the CBFO prior to their implementation.



R. Paul Detwiler
Acting Manager

Attachments

040921



Frazer Lockhart

- 2 -

cc w/attachments:

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CTAC Controlled Document Coordinator
WIPP Operating Record, MS 486-06
CBFO M&RC

RFETS CERTIFICATION PROGRAM STATUS

The CBFO Director for the Office of Characterization and Transportation and the CBFO Quality Assurance Manager have evaluated the audit reports related to the annual recertification activities and the additional activities related to S4000 (soils/gravels) wastes. The recommendation to the CBFO Manager is to continue the authority for certification, characterization, and transportation of contact-handled, retrievably stored and newly generated homogeneous solids and debris waste, and to expand this authority to soils and gravel. Attachments 2 and 3 provide complete lists of certified procedures and equipment.

With the addition of S4000 activities, the following processes are approved at RFETS for S3000, S4000, & S5000 waste:

- Acceptable knowledge
- Data Verification and Validation
- Gas generation testing (85-gallon overpacks and 55-gallon drums)
- HSG
 - Online headspace gas sampling and analysis
- Non-destructive assay, including:
 - Multi-purpose crate counter
 - SuperHENC/SGEAS
 - TGS
 - FRAM
 - Passive-active drum counter (PADC)
- Real-time radiography (RTR), including the mobile RTR unit for use on lead-lined drums
- Solids sampling and analysis (including soils/gravels)
- Transportation
- Visual examination (QC check on RTR)
- Visual examination technique
- WIPP Waste Information System interface

STATUS

- All program elements remain complete.
- The following required site documents that demonstrate how RFETS complies with the CBFO requirements.
 - QAPjP – *Rocky Flats Environmental Technology Site TRU Waste Characterization Program Quality Assurance Project Plan*, 95-QAPjP-0050, Version 10, approved by CBFO on July 26, 2004 - CBFO:NTP:RMK:JGW:04-1665: UFC:5822
 - GGTP QAPjP - *Rocky Flats Environmental Technology Site Gas Generation Testing Program Quality Assurance Project Plan*, RS-020-001, Version 6, approved March 16, 2004, CBFO:NTP:KWW:VW:04-1079: UFC:5822
 - WCP – *Rocky Flats Environmental Technology Site Transuranic Waste Management Manual*, 1-MAN-008-WM-001, approved February 10, 2004, Version 7 - CBFO:NTP:KWW:VW:04-0287: UFC:5822

- QAP – (Section 2.2.2 of WCP)
- TRAMPAC and QA Plan – (Section 2.2.6 of WCP)
- Packaging QA Plan – (Section 2.2.7 of WCP)
- Standard operating procedures (see attachment 3 for complete procedure list)
- RFETS participation in the following performance demonstration programs (PDPs):
 - NDA PDP Drums**
 - Participation was satisfactory in Cycle 10A for the 440PAN and SuperHENC, and conditionally approved TGS04 for combustibles (Memo CBFO:NTP:MRB:VW:03-3316 dated October 21, 2003).
 - Participation was satisfactory in Cycle 9E for the 440FRAM for sludge matrix, and the TGS04 for combustibles and glass matrices (Memo CBFO:NTP:MRB:VW:03-2607:UFC:5822 dated July 21, 2003)
 - Participation was satisfactory in Cycle 9E for the 440PAN for sludge matrix (Memo CBFO:NTP:MRB:BW:03-2195 dated June 5, 2003)
 - NDA PDP SWBs**
 - Participation was satisfactory in Cycle B4A for the SuperHENC and the MPCC (Memo CBFO:NTP:MRB:JGW:04-1491:UFC:5822 dated June 15, 2004)
 - HSG PDP**
 - Participation was satisfactory in Cycle 18A using GC/MS analytical method for analysis of VOCs (CBFO:NTP:MRB:JGW:04-1434:UFC:5822 dated May 18, 2004)
 - RCRA PDP**
 - Participation was satisfactory for the INEEL ALD in Cycle 11A for the analysis of metals, aqueous extractable VOCs, purgeable VOCs, and SVOCs in solidified waste (Memo CBFO:NTP:MRB:JGW:04-1426:UFC:5822 dated May 13, 2004)
- CBFO conducted Audit A-04-10 from March 30 through April 2, 2004 and issued the interim audit report on April 16, 2004. The Final Audit Report was issued to NMED on April 29, 2004 and a revised Final Audit Report was transmitted on July 14th. The audit team determined that the RFETS TRU waste programs remain in compliance with the CBFO requirements and the new processes are implemented effectively.
- NMED approved Final Audit Report for A-04-10 on August 27, 2004.
- EPA issued the inspection report for S4000 waste on August 19, 2004.
- There were no CARs associated with Audit A-04-10.

RECOMMENDATION

The recommendation to the CBFO Manager is to continue the RFETS authority for certification, characterization and transportation of contact-handled homogeneous solids (S3000) and debris (S5000) waste and to expand the authority to include activities associated with soils and gravels (S4000). Attachments 2 and 3 contain lists of systems and procedures that constitute the bounds of the RFETS characterization, transportation and waste certification authority.

CONCURRENCE

 FOR

Ms. Ava L. Holland, Manager
CBFO Quality Assurance

9-9-04
Date



Mr. Kerry W. Watson, Director
CBFO Office of Characterization and Transportation

9/14/04
Date

RFETS CERTIFIED SYSTEMS

WIPP #	Site Equipment #	Site Description	Components	Software
Headspace Gas				
5HG2	GB-01	Automated Headspace Gas GC/MS PDP # GB-01 (Cycle 18A Identical System 5/18/04)	Headspace Gas Sampling and Analysis Using an Automated Manifold (Procedure PRO-1676-HGAS-S&A – formerly L-4231)	HGAS
5HG5	GB-02	Automated Headspace Gas GC/MS PDP # GB-02 (Cycle 18A approval 5/18/04)	Headspace Gas Sampling and Analysis Using an Automated Manifold (Procedure PRO-1676-HGAS-S&A – formerly L-4231)	HGAS
Non-destructive Assay				
5CC1	664MPCC01	Multi-Purpose Crate Counter (SWBS) PDP # RF06/RFN3 (Cycle B4A approval 06/15/04)	Passive-active large package counter and separate gamma-ray spectrometry system. (Method PRO-1433-MPCC-664)	BNFL MPCC Assay Application, SGEAS
5FR1	440FRAM01	FRAM PDP # RF07/RFN4 (Cycle 9E approval 07/21/03)	Gamma Spectroscopy System (Method PRO-1092-FRAM-440)	ANTECH MasterScan, ANTECH Master Analysis, PC/FRAM and ORTEC Maestro Analysis System
5PD2	440 PADC01 (Moved from Bldg. 569 to Bldg. 440 - formerly 569PADC01)	PADC Large package counter PDP # RF02/RFN1 (Cycle 10A approval 10/21/03)	Passive-active drum counter and separate gamma-ray spectrometry system. (Method PRO-666-PADC440)	BNFL PADC/IPAN, PC/FRAM
5SH1	440SHENC01	SuperHENC Large package counter (SWBs & Drums) PDP # RF05/RFN2 (Cycle 10A 10/21/03 Drum approval) (Cycle B4A 06/15/04 SWB approval)	High efficiency neutron counter and separate gamma-ray spectrometry system. (Method PRO-957-SuperHENC)	BNFL SuperHENC SGEAS, LANL SuperHENC/Neutron Analysis
Non-destructive Examination				
5RR2	664 RTR	Real-time radiography	Standard setup	NA
5MR1	Mobile RTR	Real-time radiography	Standard setup	NA

RFETS Deactivated Equipment List

WIPP #	Site Equipment #	Site Description	Components / Software	Date Deactivated (Reason)
Headspace Gas				
5HG1		Headspace Gas GC/MS	GC/MS (Method described in procedure L-4111) / HVOC12	10/22/2002 (Inactive)
5HG4	GB-03	Automated Headspace Gas GC/MS PDP # GB-03 (Cycle 18A Identical System 5/18/04)	Headspace Gas Sampling and Analysis Using an Automated Manifold (Procedure PRO-1676-HGAS-S&A – formerly L-4231)	12/31/03 (System shut down)
Nondestructive Assay				
5NM1	371NMCC01/371TRIFID01	Neutron multiplicity counter	Neutron multiplicity counter operated in coincidence mode and separate gamma-ray spectrometry system. / Canberra Neutron Assay Software (NAS) TRIFID	2/8/2002 (System shut down)
5NM2	371NMCC02/371TRIFID01	Neutron multiplicity counter	Neutron multiplicity counter operated in coincidence mode and separate gamma-ray spectrometry system. / Canberra Neutron Assay Software (NAS) TRIFID	3/6/2002 (System shut down)
5PD1	569PADC01	PADC Large package counter	Passive-active drum counter and separate gamma-ray spectrometry system.	BNFL PADC/IPAN, PC/FRAM (Moved from Bldg. 569 to Bldg. 440 –Deactivated in Bldg. 569 on 3/9/03)
NA	707NMC01	Neutron multiplicity counter	Neutron multiplicity counter operated in coincidence mode and separate gamma-ray spectrometry system. / Canberra Neutron Assay Software (NAS) TRIFID	5/7/2001 (Transferred to B-371)
NA	707NMC02	Neutron multiplicity counter	Neutron multiplicity counter operated in coincidence mode and separate gamma-ray spectrometry system. // Canberra Neutron Assay Software (NAS) TRIFID	5/1/2001 (Transferred to B-371)
5SD1	371SGSDC01	SGS Drum Counter, Bldg 371	Integrated segmented gamma scan and gamma-ray spectrometry measurement. / Genie PC Gamma Waste Assay System (Genie PC/GWAS), TRIFID	7/9/2002 (System shut down)
5C01	AR02	Calorimeter	Calorimeter	7/21/03 (System shut down)
5C02	AR03	Calorimeter	Calorimeter / ANTECH Air Bath Calorimeter Control Software	8/20/03 (System shut down)
5C03	AR04	Calorimeter	Calorimeter / ANTECH Air Bath Calorimeter Control Software	6/14/2002 (Non WIPP)
5C04	AR05	Calorimeter	Calorimeter / ANTECH Air Bath Calorimeter Control Software	12/16/2001 (System shut down)
5C05	AR06	Calorimeter	Calorimeter / ANTECH Air Bath Calorimeter Control Software	8/20/03 (System shut down)
5C06	AR07	Calorimeter	Calorimeter / ANTECH Air Bath Calorimeter Control Software	11/12/03 (System shut down)
NA	AR08	Calorimeter	Calorimeter / ANTECH Air Bath Calorimeter Control Software	5/23/2000 (Non WIPP)
5C07	AR09	Calorimeter	Calorimeter / ANTECH Air Bath Calorimeter Control Software	12/20/2001 (Non WIPP)
5C08	P1	Calorimeter	Calorimeter / ANTECH Air Bath Calorimeter Control Software	6/21/2001 (System shut down)

WIPP #	Site Equipment #	Site Description	Components / Software	Date Deactivated (Reason)
5C09	P2	Calorimeter	Calorimeter / ANTECH Air Bath Calorimeter Control Software	10/2/03 (System shut down)
5C10	P3	Calorimeter	Calorimeter / ANTECH Air Bath Calorimeter Control Software	11/12/03 (System shut down)
5C11	P4	Calorimeter	Calorimeter / ANTECH Air Bath Calorimeter Control Software	8/20/03 (System shut down)
5C12	P5	Calorimeter	Calorimeter / ANTECH Air Bath Calorimeter Control Software	8/20/03 (System shut down)
5C13	P6	Calorimeter	Calorimeter / ANTECH Air Bath Calorimeter Control Software	10/2/03 (System shut down)
5C14	P7	Calorimeter	Calorimeter / ANTECH Air Bath Calorimeter Control Software	6/2/2002 (System shut down)
5C15	P8	Calorimeter	Calorimeter / ANTECH Air Bath Calorimeter Control Software	8/20/03 (System shut down)
5C16	P9	Calorimeter	Calorimeter / ANTECH Air Bath Calorimeter Control Software	7/31/03 (System shut down)
5C17	P10	Calorimeter	Calorimeter / ANTECH Air Bath Calorimeter Control Software	7/16/03 (System shut down)
5C18	P11	Calorimeter	Calorimeter / ANTECH Air Bath Calorimeter Control Software	Never used.
5GS1	GPC1	Gamma-ray Spectrometer	Gamma-ray Spectrometer / ANTECH TRIFID	8/20/03 (System shut down)
5GS2	T4	Gamma-ray Spectrometer	Gamma-ray Spectrometer / ANTECH TRIFID	9/29/03 (System shut down)
5GS3	T5	Gamma-ray Spectrometer	Gamma-ray Spectrometer / ANTECH TRIFID	11/12/03 (System shut down)
5S01	371SGSCS01	SGS Can counter	Integrated segmented gamma scan and gamma isotopic measurement. / Genie PC Gamma Waste Assay System (Genie PC/GWAS), TRIFID	7/1/2000 (System shut down)
5S02	371SGSCS02	SGS Can counter	Integrated segmented gamma scan and gamma isotopic measurement. / Genie PC Gamma Waste Assay System (Genie PC/GWAS), TRIFID	1/1/2001 (System shut down)
5S03	371SGSCS03	SGS Can counter	Integrated segmented gamma scan and gamma isotopic measurement. / Genie PC Gamma Waste Assay System (Genie PC/GWAS), TRIFID	1/1/2001 (System shut down)
5S04	371SGSCS04	SGS Can counter	Integrated segmented gamma scan and gamma isotopic measurement. / Genie PC Gamma Waste Assay System (Genie PC/GWAS), TRIFID	1/1/2001 (System shut down)
5S05	707SGSCS02	SGS Can counter	Integrated segmented gamma scan and gamma isotopic measurement. / Genie PC Gamma Waste Assay System (Genie PC/GWAS), TRIFID	12/19/2000 (System shut down)
5S06	707SGSCS03	SGS Can counter	Integrated segmented gamma scan and gamma isotopic measurement. / Genie PC Gamma Waste Assay System (Genie PC/GWAS), TRIFID	12/19/2000 (System shut down)
5S07	707SGSCS04	SGS Can counter	Integrated segmented gamma scan and gamma isotopic measurement. / Genie PC Gamma Waste Assay System (Genie PC/GWAS), TRIFID	12/19/2000 (System shut down)
5S08	707SGSCS05	SGS Can counter	Integrated segmented gamma scan and gamma isotopic measurement. / Genie PC Gamma Waste Assay System (Genie PC/GWAS), TRIFID	12/19/2000 (System shut down)
5S09	707SGSCS06	SGS Can counter	Integrated segmented gamma scan and gamma isotopic measurement. / Genie PC Gamma Waste Assay System (Genie PC/GWAS), TRIFID	12/19/2000 (System shut down)
5IQ1	IQ3	Canberra mobile drum counter, bldg. 664	High Sensitivity Gamma Waste Assay System / Gamma Waste Assay Systems (GWAS) Analysis Software	10/1/2001 (System shut down)
5PN1	PN	Canberra mobile drum counter, bldg. 664	Passive Neutron (PN) Coincidence Counter / Canberra Neutron Assay Software (NAS)	10/1/2001 (System shut down)
5SD1	SGS	Canberra mobile drum counter, bldg. 664	Gamma-ray spectrometry portion of instrument utilized / Multi-Group Analysis (MGA)	10/1/2001 (System shut down)

WIPP #	Site Equipment #	Site Description	Components / Software	Date Deactivated (Reason)
5TC1	371-STGS-01 (skid)	TGS Can Counter	Integrated tomographic gamma scan and gamma-ray spectrometry measurement / LANL DAC-TGS, LANL ARC-TGS, PC/FRAM	9/7/2000 (System Modified for drums)
5TC2	371TGS02	TGS Can Counter	Integrated tomographic gamma scan and gamma-ray spectrometry measurement.	7/15/03 (System shut down)
5TC3	371TGS03	TGS Can Counter	Integrated tomographic gamma scan and gamma-ray spectrometry measurement.	7/15/03 (System shut down)
5TC4	371TGS05	TGS Can Counter	Integrated tomographic gamma scan and gamma-ray spectrometry measurement.	7/15/03 (System shut down)
5TD1	371TGS01(DRUM)	TGS Large Package Counter	Integrated tomographic gamma scan and gamma-ray spectrometry measurement / LANL DAC-TGS, LANL ARC-TGS, PC/FRAM	10/18/02 (System shut down)
5TD2	569TGS04 DEACT 8/1/02	TGS Large Package Counter	Integrated tomographic gamma scan and gamma-ray spectrometry measurement / ANTECH MasterScan, ANTECH MasterAnalysis, PC/FRAM	8/1/02 (System shut down)
5TD3	664TGS04	TGS Drum Counter PDP # RF04/RFG3 (Cycle 10A 10/21/03 approval)	Integrated tomographic gamma scan and gamma-ray spectrometry measurement. (Method PRO-1632-TGS-02; combustibles and glass matrix)	8/17/04 (System shut down)
Non-destructive Examination				
5RR1	569 RTR	Real-time radiography	Standard Setup	4/3/03 (system shut down)

RFETS CERTIFIED PROCEDURES

CERTIFIED PROCEDURES		
	PROCEDURE/DOCUMENT NUMBER	TITLE
1.	1-A65-ADM-15.01	Control of Nonconforming Items
2.	1-A67-QAP-08.01	Identification and Control of Items
3.	1-C20-QAP-09.01	Control of Processes
4.	1-C80-WO-1102-W/RT	Waste/Residue Traveler Instructions
5.	1-D97-ADM-16.01	Occurrence Reporting Process
6.	1-J55-ADM-08.10	Subcontractor Quality Evaluations
7.	1-M12-WO-4034	Solid Radioactive Waste Packaging Requirements Manual
8.	1-MAN-004-CSMM	Computer Software Management Manual
9.	1-MAN-008-WM-001	Transuranic (TRU) Waste Management Manual
10.	1-MAN-039-WEM-WP-1200	Waste and Environmental Management System (WEMS) Program Management Manual
11.	1-N92-ADM-02.03	Training and Qualification of Assessment and Surveillance Personnel
12.	1-PRO-072-001	Inspection and Acceptance Test Program
13.	1-PRO-079-WGI-001	Waste Characterization, Generation and Packaging
14.	1-PRO-087-WEMS-WP-1201	WEMS Waste Package Inventory, Tracking, and Control
15.	1-PRO-110-WP-1212	WIPP Waste Information System (WWIS) Data Entry
16.	1-PRO-Q11-WO-1221	Controls for Updating Waste Package Information in WEMS
17.	1-V10-ADM-15.02	Stop Work Action
18.	1-V41-RM-001	Records Management Manual
19.	1-V51-COEM-DES-210	Site Engineering Process Procedure
20.	1-W37-IA-002	Integrated Planning and Scheduling of Assessment Activities
21.	3-B52-IA-003	Conduct of Independent Assessment Activities
22.	3-W24-MA-002	Kaiser-Hill Management Assessment Program
23.	3-X31-CAP-001	Corrective Action Process
24.	4-D99-WO-1100	Solid Radioactive Waste Packaging Procedure
25.	4-F72-WEM-WP1205	WEMS and WSRIC Software Quality Assurance Compliance
26.	4-G83-WEM-WP-1209	WEMS Waste Package Verification and Certification
27.	4-H19-WSRIC-001	WSRIC Characterization and Reverification
28.	4-K47-WEM-WP1210	WEMS Offsite Shipping Module
29.	4-W30-NDT-00664	Real-Time Radiography Testing of Transuranic and Low-Level Waste in Building 664
30.	5-NDT-TC-1A	Training, Qualification, and Certification of Nondestructive Testing Personnel
31.	95-QAPjP-0050	Rocky Flats Environmental Technology Site TRU Waste Characterization Program Quality Assurance Project Plan (QAPjP)
32.	95-WP/SAP-001	Transuranic (TRU/TRM) Waste Sampling Plan
33.	ASD-003	Identification System for Reports and Samples
34.	MAN-001-SDRM	Site Document Requirements Manual
35.	MAN-010-MCA	Materials Control & Accountability Manual
36.	MAN-062-CAUSEANALYSIS	Cause Analysis Requirements Manual
37.	MAN-066-COOP	Site Conduct of Operations Manual
38.	MAN-071-IWCP	Integrated Work Control Program Manual
39.	MAN-092-M&TEM	Measuring and Test Equipment Management Manual

CERTIFIED PROCEDURES		
	PROCEDURE/DOCUMENT NUMBER	TITLE
40.	MAN-094-TPM	Training Program Manual
41.	MAN-131-QAPM (Supersedes MAN-012-SCARM & Sections 6.2.1 & 6.2.2 supercedes 1-MAN-013-S10M, 11/1/01)	Quality Assurance Program Manual
42.	MAN-134-PPM	Procurement Program Manual
43.	MAN-T91-STSM-001	Site Transportation Safety Manual
44.	PLN-97-007	TRU Waste Characterization Program Training Implementation Plan
45.	PRO-077-WIPP-005 (Supersedes 1-PRO-077-WIPP- 005, 12/19/01)	Management of Waste Information Prior to Transmittal to the Waste Records Center
46.	PRO-108-PREP-01	Preparation of Nondestructive Assay (NDA) Performance Demonstration Program Samples
47.	PRO-264-RS-0141 (Supersedes PRO-822-DR&V-371, 12/14/00)	Data Review and Verification of Residues Repack Batch Reports
48.	PRO-284-POC-001	Pipe Overpack Component Initial Assembly Process
49.	PRO-440-RS-0149	GGTP Drum Selection and Batching
50.	PRO-484-WIPP-003	Collection, Review, and Confirmation of Acceptable Knowledge Documentation
51.	PRO-486-WIPP-006	TRU Waste Characterization Project Quality Assurance Grading
52.	PRO-543-ASD-002	Initiation, Preparation, and Implementation of Chain-of-Custody Forms
53.	PRO-548-SSOC-SQA	Software Management for Nondestructive Assay Systems
54.	PRO-603-RS-0152	Data Review and Verification of Solid Sampling Batch Reports
55.	PRO-604-RC-001	Field Sample QC Data Calculation, Review, and Validation Batch Reports
56.	PRO-666-PADC440 (Supersedes PRO-666-PADC569)	Operating Building 440 Passive/Active Drum Counter
57.	PRO-731-MC-002	NDA Measurement Control Program
58.	PRO-767-WIPP-001	Waste Records Center Processing
59.	PRO-815-DM-01	Developing and Maintaining Documents
60.	PRO-845-NDA-008 (Supersedes 3-Q22-NDA-3000)	Data Review, Verification and Validation for Nondestructive Assay (NDA) Measurement Systems
61.	PRO-908-ASD-004	On-Site Transfer and Off-Site Shipment of Samples
62.	PRO-940-WIPP-010	WIPP TRU Waste Characterization Project Level Data Review and Reporting
63.	PRO-943-WIPP-007 (Supersedes 1-E93-ADM-16.18, 6/7/00)	TRU Waste Characterization Program Conditions Adverse to Quality Trending and Analysis
64.	PRO-944-WIPP-008	Completion of Waste Stream Profile Form for Waste to be Disposed of at WIPP
65.	PRO-945-WIPP-009	RCRA Characterization of TRU Waste to be Disposed of at WIPP
66.	PRO-957-SuperHENC	Operating the Super High Efficiency Neutron Coincidence (SuperHENC) Counter Mobile Assay System
67.	PRO-962-MGSS-001	Mobile Gas Generation Testing Sampling System (MGSS) Sampling Operations
68.	PRO-963-MGSS-002	Mobile Gas Generation Testing Sampling System Data Calculation
69.	PRO-985-SURV	Performance of Surveillances
70.	PRO-1003-WSRIC-ADMIN (Supersedes 4-D15-BBPE-001, 10/18/01)	WSRIC Administration Guidance

CERTIFIED PROCEDURES		
	PROCEDURE/DOCUMENT NUMBER	TITLE
71.	PRO-1018-SWB-371	Drum Selection and Loading into Standard Waste Boxes
72.	PRO-1031-WIPP-1112	TRU/TRM Waste Visual Verification (V ²) and Data Review
73.	PRO-1034-PEQA (Supercedes PRO-PQR-001, 5/21/01)	Procurement Engineering and Quality Assurance
74.	PRO-1037-WEMS-97-107	Waste and Environmental Management System (WEMS) System Administration Guidance
75.	PRO-1038-WEMS-97-108	WEMS and WSRIC Software Validation Specifications (SVS) Development
76.	PRO-1045-WI-001 (Supercedes 4-M63-WI-4013, 8/30/00)	Solid Radioactive Waste Inspection
77.	PRO-1092-FRAM-440 (Supercedes PRO-1092-FRAM- 569)	Operating Building 440 FRAM Gamma Spectroscopy System
78.	PRO-1132-WIPP-012	Preparation of Interface Document for Vendor Owned or Operated Systems
79.	PRO-1265-SS-001	Building 774 and Tank T-207 Aqueous Sludge Removal and Characterization Plan
80.	PRO-1297-CLC&RPT-371	Calorimetry/Gamma-Ray Assay Calculation and Reporting of Results
81.	PRO-1302-WIPPDATA-371	Data Review and Validation for Calorimetric Assay for WIPP-TRU Waste Characterization Program in Building 371 Cal/Gamma Laboratory
82.	PRO-1329-DM-03	Site Document Control
83.	PRO-1351-440-SWB (Supercedes the headspace gas sampling function that was in PRO- 984-440-HSGS, 10/22/01)	Room 113 Perma-Con Operations
84.	PRO-1358-440-VERP	Glovebox and C-Cell Waste Operations
85.	PRO-1400-NDA	NDA Evaluation of Item Description Codes
86.	PRO-1405-PREP-02	Preparation of Boxed Waste Performance Demonstration Program (PDP) Samples for Nondestructive Assay
87.	PRO-1406-SWB	Standard Waste Box Repair/Replacement Operations
88.	PRO-1411-WO-Waste	Waste Receiving, Transfer and Handling
89.	PRO-1418-WO-TRUOP (Supercedes PRO-489-TRU-664)	TRUPACT-II Operations
90.	PRO-1419-WO-LKTST (Supercedes PRO-1419-WO- LKTST)	TRUPACT-II Shipping Leak Test
91.	PRO-1433-MPCC-664	Operating the Multi-Purpose Crate Counter (MPCC) at Building 664
92.	PRO-1471-VE-771	Visual Examination for Confirmation of RTR
93.	PRO-1520-Mobile-RTR	Mobile Real-Time Radiography Testing of Transuranic and Low-Level Waste
94.	PRO-1566-NDA-STD (Supercedes PRO-697-MLC- 00013, 2/28/02)	Evaluating NDA Standards for Continued Use
95.	PRO-1569-SAP-001	Polymerized Organic and Inorganic Liquid Process Core Sampling and Waste Forms Amenable to Grid Sampling - Sampling and Analysis Plan
96.	PRO-1570-NDA-QUAL	Qualification Requirements for NDA Large Package Counters
97.	PRO-1585-PWS-440	Polymerized Waste Sampling - Building 440
98.	PRO-1618-PLP-001	Data Review & Verification of Solid Sampling Batch Data Reports
99.	PRO-1623-SCWS-440	Small Container Waste Sampling

CERTIFIED PROCEDURES		
	PROCEDURE/DOCUMENT NUMBER	TITLE
100.	PRO-1631-TGS-01	Setup and Calibration of Building 664 Drum TGS
101.	PRO-1632-TGS-02	Operating Building 664 Drum Tomographic Gamma Scanner (TGS)
102.	PRO-1649-LN2-569, 664, 440	Filling Detector Head Dewars in Building 569, 664, 440, SuperHENC and MPCC Mobile Assay Trailers
103.	PRO-1654-NHGGT-1983	Non-Heated Gas Test Canister Operations
104.	PRO-1655-HGGT-1954	Heated Gas Test Canister Operations
105.	PRO-1668-SQA	TRU Waste Characterization Program (TWCP) Software Quality Assurance
106.	PRO-1669-HGAS-V&V (Supercedes L-4053, 6/18/03)	Headspace Gas V&V (Data Generator Level)
107.	PRO-1674-SOURCE/STANDARDS-LOAD/UNLOAD	Source/Standards Loading/Unloading in Matrix Containers in Buildings 440, 569 and 664
108.	PRO-1676-HGAS-S&A (Supercedes L-4231, 6/18/03)	Headspace Gas Sampling and Analysis Using an On-Line Integrated System
109.	PRO-1677-LL/CS	Lessons Learned and Case Study Process
110.	PRO-1729-903-SOIL	Soil Removal from Pre-Selected Areas, 903 Pad
111.	PRO-1730-903-001	TRU Soil Removal/Repack and Characterization Plan
112.	PRO-J44-RC&I-6600 (Supercedes 4-J44-RC&I-6600, 4/30/01)	Procured Items Inspection & Certification
113.	PRO-T13-Traffic-306 (Supercedes 1-T13-Traffic-306, 5/13/02)	Labeling and Marking TRUPACT Packages
114.	PRO-T30-Traffic-515	Preparation and Retention of Hazardous Materials Shipping Documents
115.	PRO-T43-Traffic-528 (Supercedes 4-T43-TRAFFIC-528, 5/17/02)	TRUPACT-II Operations
116.	PRO-T95-OSTP-002	Off-Site Transportation Procedure
117.	PRO-U76-WC-4030	Control of Waste Nonconformances
118.	PRO-W90-FO-0103	Balances
119.	PRO-X05-WC-4018	Transuranic (TRU) Waste Certification
120.	RF/RMRS-97-018	RFETS TRU Waste Acceptable Knowledge Supplemental Information
121.	RMRS-WIPP-98-100	Acceptable Knowledge TRU/TRM Waste Stream Summaries
122.	RS-020-001	Gas Generation Program Testing Quality Assurance Project Plan

RFETS Qualification and Calibration Reports & Plans

Qualification and Calibration Reports & Plans		
	Qualification & Calibration Reports	TITLE
1.	BII-8215-C&VP-001	RFETS 569 Passive/Active Drum Counter Calibration and Validation Plan, Instrument Control Number 569PADC001, dated 8/26/99
2.	KH-NDA2002-LLD	Determination of the Lower Limit of Detection (LLD) for WIPP Tracked Radionuclides on the WIPP Qualified NDA Systems used at the Rocky Flats Environmental Technology Site.
3.	KH-NDA2002-CAL/QUAL-664TGS04	Calibration and Qualification Plan for the Newly Relocated Building 664 Tomographic Gamma Scanner (TGS) Counter, Instrument Control Number 664TGS04.
4.	KH-NDA2002-QUAL-440SHENC001(DRUM)	Supplemental Qualification Report for the Radioassay of Waste Packaged in 55-Gallon Drums Using the Super High Efficiency Neutron Counter (SuperHENC) 440SHENC001, dated 3/8/02
5.	KH-NDA2002-QUAL-569PADC01	Revised WIPP-Related Calibration and Qualification Report for Extension of the Qualified Plutonium Mass and Matrix Ranges for the Building 569 Passive-Active Neutron Drum Counter, 569PADC01, dated 1/24/02
6.	KH-NDA2002-QUALR-664MPCC01	Calibration and Qualification Report for the Multi-Purpose Crate Counter (MPCC) Imaging Passive-Active Neutron and Gamma Energy Analysis (IPAN/GEA) System, Instrument Control Number 664MPCC01, dated 5/29/02
7.	KH-NDA2003-CALVER-440PADC01	Calibration Verification Plan for the Newly Relocated Building 440 Imaging Passive-Active Neutron Drum Counter (PADC), Instrument Control Number 440PADC01
8.	KH-NDA2003-CALVER-RPT-440PADC01	Calibration Verification Report for the Newly Relocated Building 440 Imaging Passive-Active Neutron Drum Counter (PADC), Instrument Control Number 440PADC01
9.	KH-NDA2003-CAL/QUALP-440FRAM01	Calibration and Confirmation Plan for the Building 440 FRAM Gamma Spectroscopy System, Instrument Control Number 440FRAM01.
10.	KH-NDA2003-CAL/QUALR-440FRAM01	Calibration and Qualification Report for the Building 440 FRAM Gamma Spectroscopy System, Instrument Control Number 440FRAM01.
11.	KH-NDA2003-QUAL-664TGS04(Glass)	Qualification Report for the ANTECH TGS Drum Counter 664TGS04 - Glass Matrix.
12.	MGSSQP-LATA-001	Mobile Gas Generation Testing Sampling System Qualification Plan
13.	MGSSQR-LATA-001	Mobile Gas Generation Testing Sampling System Qualification Report
14.	MGSSTP-LATA-001	Mobile Gas Generation Testing Sampling System (MGSS) Test Plan
15.	Unnumbered	Calibration and Qualification Report Package for the SuperHENC Mobile Assay Trailer Instrument Identification Number: 440SHENC01, prepared January 22, 2001
16.	Unnumbered	Qualification Plan for Building 664 Multipurpose Crate Counter (MPCC) Instrument Identification Number: 664MPCC01, approved 4/5/02
17.	Unnumbered	Super High Efficiency Neutron Counter Calibration and Validation Plan, Instrument Control Number 984SHENC01, dated 10/16/99.

Deactivated Procedures and Qualification/Calibration Plans and Reports			
	Procedure Number	Title	Reason for Action
1.	00-NDA-NMC-100	Qualification Plan for the Neutron Multiplicity Counter (NMC) Instruments and TRIFID Gamma-Ray Isotopics Systems	Deactivated – last counter shut down 3/6/02
2.	00-NDA-TGS-001	Qualification Plan for the Skid Mounted Tomographic Gamma Scanner (TGS)	Deactivated 10/18/02 – Equipment shut down
3.	00-NDA-TGS-002	Qualification Plan for the 371TGS02 Tomographic Gamma Scanner (TGS) Building 371	Deactivated 7/15/03 (Equipment taken out of service).
4.	00-NDA-TGS-003	Qualification Plan for the 569TGS04 Tomographic Gamma Scanner (TGS)	Deactivated 10/18/02 – Equipment shut down
5.	00-NDA-TGS-004	Qualification Plan for the 371 TGS05 Tomographic Gamma Scanner (TGS) Building 371	Deactivated 7/15/03 – Equipment taken out of service
6.	3-MAN-006-NDA-1000	NDA Calibration and Validation Program Manual	Deactivated 9/19/01 and applicable information incorporated into the qualification plans.
7.	4-H80-776-ASRF-007	Visual Examination for Confirmation of RTR	Deactivated 11/6/01 – Equipment shut down
8.	4-I19-NDT-00569	Real-Time Radiography Testing of Transuranic and Low-Level Waste in Building 569	Deactivated 4/30/03
9.	4-T04-TRAFFIC-204	Waste Shipment Certification Form, RF-46416	Deactivated 4/5/02
10.	4-W84-RS-0114	Salt Residue Stabilization/Repack, Bldg. 707	Deactivated 3/9/01 – Project complete
11.	99-NDA-SGS-100	Qualification Plan for the Canberra Segmented Gamma Scan (SGS) Can Counter Instruments	Deactivated – last counter shut down 1/1/01
12.	371-STGS-01 (IDC 411R)	Building 371 Skid TGS Can Counter (ID 371-STGS-01) Calibration and Qualification Report	Deactivated – shut down 10/18/02
13.	CALG-IQ-00119	NDA-CAL/GAMMA Qualification Results 0.2 - 5.0 Watts, Calorimeter AR7	Deactivated 11/12/03 (Equipment taken out of service)
14.	CALG-QP-00005	Calorimetric Qualification Plan	Deactivated 11/12/03 (Equipment taken out of service)
15.	INS-246	TWCP QAPD Procedures Matrix	Deactivated 6/12/03
16.	KH-NDA2001-QUAL-569TGS04	Calibration and Qualification Report for the Determination of Plutonium-239 Combustible Waste Packaged in 55-Gallon Drums Using the ANTECH TGS Drum Counter 569TGS04, dated 5/17/01	Deactivated - counter shutdown 8/1/02
17.	KH-NDA2001-CAL-371TGS02	Calibration and Qualification Report for the ANTECH Tomographic Gamma Scanning (TGS) Can Counter 371TGS02 After Installation of ANTECH MasterScan and MasterAnalysis Software, dated 10/17/01	Deactivated 7/15/03 - Equipment taken out of service
18.	KH-NDA2001-CAL-371TGS05	Calibration and Qualification Report for the ANTECH Tomographic Gamma Scanning (TGS) Can Counter 371TGS05, dated 10/11/01	Deactivated 7/15/03 - Equipment taken out of service
19.	KH-NDA2001-RECAL-371TGS03	Calibration and Qualification Report for the Conversion of the ANTECH TGS Can Counter 371TGS03 from DAC.TGS Data Acquisition to MasterScan Data Collection Software, dated 8/13/01	Deactivated 7/15/03 - Equipment taken out of service
20.	L-1000	Requirements for Laboratory L-Procedures	Deactivated June, 2004 – Equipment taken out of

Deactivated Procedures and Qualification/Calibration Plans and Reports			
	Procedure Number	Title	Reason for Action
			service.
21.	L-1006	Maintenance Records for Analytical Instrumentation	Deactivated 2/19/04 – Equipment taken out of service
22.	L-2421	Precision Gas Mass Spectrometry Operations and Analysis (VG-30-38)	Deactivated 10/22/02 – No longer doing HSG sampling with Summa canisters.
23.	L-4006	Chain-of-Custody and Sample Administration for Headspace Sample Canisters	Deactivated 10/22/02 – No longer doing HSG sampling with Summa canisters.
24.	L-4026	Records Handling, Storage, and Retrieval for the WIPP Project File	Deactivated June, 2004 – Equipment taken out of service
25.	L-4028	Sample Administration for the Radiological Laboratories	Deactivated June, 2004 – Equipment taken out of service
26.	L-4031	Software Quality Assurance	Deactivated June, 2004 – Equipment taken out of service
27.	L-4035	Metals Data Verification and Validation Data Generation Level	Deactivated 2/19/04 – Equipment taken out of service
28.	L-4038	WIPP Data Review and Validation for Volatile Organic Compounds	Deactivated June, 2004 – Equipment taken out of service
29.	L-4039	WIPP Data Review and Validation for Semi-Volatile Organic Compounds in Solid Samples	Deactivated June, 2004 – Equipment taken out of service
30.	L-4042	Gas Generation Calculation for Gas Generation Test Program (GGTP)	Deactivated 7/20/00 - Method was replaced by the Mobile Gas Generation Test System
31.	L-4043	Gas Generation Data Reporting for Gas Generation Test Program (GGTP)	Deactivated 7/20/00 - Method was replaced by the Mobile Gas Generation Test System
32.	L-4044	Data Validation - Data Generation Level - for the Gas Generation Test Program (GGTP)	Deactivated 7/20/00 - Method was replaced by the Mobile Gas Generation Test System
33.	L-4048	Radiological Laboratories Quality Assurance Plan	Deactivated June, 2004 – Equipment taken out of service.
34.	L-4052	Headspace Gas Sampling and Analysis Using an Automated Manifold Qualification Plan and Test	Deactivated 7/8/03
35.	L-4108	Toxicity Characteristic Leaching Procedure (TCLP) for Metals in Waste	Deactivated 2/19/04 – Equipment taken out of service
36.	L-4111	GC/MS Determination of Volatile Organics Waste Characterization	Deactivated 10/22/02 – No longer doing HSG sampling with Summa canisters.
37.	L-4138	Summa Passivated Stainless Steel Canister Cleaning and Certification	Deactivated 10/22/02 – No longer doing HSG sampling

Deactivated Procedures and Qualification/Calibration Plans and Reports			
	Procedure Number	Title	Reason for Action
			with Summa canisters.
38.	L-4146	Headspace Gas Sampling of Waste Containers	Deactivated 10/22/02 – No longer doing HSG sampling with Summa canisters.
39.	L-4148	Preparation of Samples and Calibration Standards for Determination of Gases in Sample Canisters	Deactivated 10/22/02 – No longer doing HSG sampling with Summa canisters.
40.	L-4150	Totals Metals Acid Digestion Procedure of Solid, Liquid, and TCLP Extract Samples	Deactivated 2/19/04 – Equipment taken out of service
41.	L-4151	Waste Analysis by Atomic Absorption Spectroscopy	Deactivated 2/19/04 – Equipment taken out of service
42.	L-4152	Mercury Analysis in Waste (Cold-Vapor Technique)	Deactivated 2/19/04 – Equipment taken out of service
43.	L-4153	Trace Metals by ICP Spectrometry (Solids, Liquids, and TCLP Extracts)	Deactivated 2/19/04 – Equipment taken out of service
44.	L-4165	GC/MS Determination of Volatile Organic Compounds (Solids, Liquids, and TCLP Extracts)	Deactivated June, 2004 – Equipment taken out of service
45.	L-4214	Extraction of Total SVOCs for GC/MS Analysis for WIPP	Deactivated June, 2004 – Equipment taken out of service
46.	L-4215	GC/MS Determination of Total SVOCs for WIPP	Deactivated June, 2004 – Equipment taken out of service
47.	L-4217	Metals Analysis Data Compilation and Reporting	Deactivated 2/19/04 – Equipment taken out of service
48.	L-5016	Radiological Laboratories Data Review and Validation of Inorganic Gas Analysis for WIPP-TRU Waste Characterization Program (TWCP) - Data Generation Level	Deactivated 10/22/02 – No longer doing HSG sampling with Summa canisters.
49.	L-5017	HVOC Data Review and Validation (Data Generation Level)	Deactivated 10/22/02 – No longer doing HSG sampling with Summa canisters.
50.	LA-UR-00-2955	Determination of the Total Measurement Uncertainty for the RFETS Skid Mounted TGS and Can TGS	Deactivated, last B-371 TGS shutdown 7/15/03
51.	LATA-MGSSID-001	LATA Program Interface Document for the Mobile Gas Generation Sampling System for Use at the Rocky Flats Environmental Technology Site (RFETS)	Deactivated 9/30/02
52.	NDA2000-QUAL-371TGS01(DRUM)	Qualification Report for the Determination of Plutonium-239 Combustible Waste Packaged in 55-Gallon Drums Using the Reconfigured Skid-Mounted TGS Drum Counter 371TGS01(DRUM), dated 9/6/00	Deactivated - shut down 10/18/02)
53.	PRO-174-WO-5227	Operating Building 371 SGS Drum Counter	Deactivated - counter shut down 7/9/02
54.	PRO-236-SGS-001	Operating the Canberra Segmented Gamma Scanner (SGS) Can Counter	Deactivated – last counter shut down 1/1/01
55.	PRO-404-RS-0145	Data Review and Verification, Ash Residue Repack Batch Reports	Deactivated 5/21/02

Deactivated Procedures and Qualification/Calibration Plans and Reports			
	Procedure Number	Title	Reason for Action
56.	PRO-428-RS-0146	Data Review and Validation, Ash Residue Repack Sample Batch Reports	Deactivated 1/31/02
57.	PRO-544-SALTREPACK-371	Residue Repack, Building 371	Deactivated 1/21/04 – Building 371 operation complete
58.	PRO-687-TGS-371	Operating the Skid Mounted Tomographic Gamma Scanner (TGS)	Deactivated 10/18/02
59.	PRO-701-TGS-371	Setup and Calibration for the Skid Mounted Tomographic Gamma Scanner (TGS)	Deactivated – 10/30/02
60.	PRO-717-HDGAS-371	Headspace Gas Sampling, Building 371	Deactivated 5/12/03
61.	PRO-728-NDA-001	Operating the Neutron Multiplicity Counters and TRIFID Gamma-Ray Isotopics Systems	Deactivated – last counter shut down 3/6/02
62.	PRO-823-REPACK-371	Combustible Residue Repackaging	Deactivated 2/10/04 – Building 371 operation complete
63.	PRO-830-DRUM-371	Drum Loading into Standard Waste Boxes	Deactivated 9/25/03
64.	PRO-856-RS-0153 –	Gas Generation Test Data Reduction and Reporting	Deactivated 4/24/03. Building 371 gas generation operation discontinued.
65.	PRO-860-RS-0156	Solid Sampling, Building 371	Deactivated 2/10/04 – Building 371 operation complete
66.	PRO-933-NMC-002	Neutron Multiplicity Counter and TRIFID Systems Setup and Calibration	Deactivated – last counter shut down 3/6/02
67.	PRO-1006-TGS-569-01	Setup and Calibration of Building 569 Drum Tomographic Gamma Scanner (TGS)	Deactivated 8/1/02 – Counter shut down.
68.	PRO-1007-TGS-569-02	Operating Building 569 Drum Tomographic Gamma Scanner (TGS)	Deactivated 8/1/02 – Counter shut down.
69.	PRO-1072-NDA-MSQ	Matrix-Specific Qualification for NDA Can Counters	Deactivated 7/25/03. All can counters are out of service
70.	PRO-1140-NDA	NDA Trouble Report Processing	Deactivated – 2/7/03
71.	PRO-1141-WP-4701	Waste Characterization Gas Sampling	Deactivated 10/22/02 – No longer doing HSG sampling with Summa canisters.
72.	PRO-1266-SS-002	Tank Sludge Removal from Pre-Selected Areas, Building 774	Deactivated 4/29/03
73.	PRO-1290-TRIFID-371	TRIFID Gamma-Ray Isotopic Analysis System Qualification	Deactivated, last Cal/Gamma system shutdown 11/12/03
74.			
75.	PRO-1298-ISOAN-371	Gamma-Ray Isotopic Analysis of Plutonium-Bearing Solids in Building 371 Cal/Gamma Laboratory	Deactivated, last Cal/Gamma system shutdown 11/12/03
76.	PRO-1299-AIRBATH-371	Calorimetry Using the ANTECH Airbath System in Building 371 Cal/Gamma Laboratory	Deactivated, last Cal/Gamma system shutdown 11/12/03
77.			
78.	PRO-1326-Commodities	Requisitioning Commodities	Deactivated 8/13/03. (see MAN-134-PPM)
79.	PRO-1327-Services	Requisitioning Services	Deactivated 9/10/03 (see MAN-134-PPM)

Deactivated Procedures and Qualification/Calibration Plans and Reports			
	Procedure Number	Title	Reason for Action
80.	PRO-1386-TGS-371	Setup and Calibration of Building 371 Can Tomographic Gamma Scanner (TGS)	Deactivated 8/13/03, last TGS system shutdown
81.	PRO-1392-TGS-371	Operating B371 Tomographic Gamma Scanning (TGS) Can Counters	Deactivated 8/13/03 (TGS can counters have been taken out of service).
82.	PRO-1393-LN2-371	Filling, Transfer and Detector Head Dewars in Building 371	Deactivated, last Cal/Gamma system shutdown 11/12/03
83.	PRO-1608-VECRR-371	RTR Visual Examination Confirmation, Building 371	Deactivated 8/12/03
84.	PRO-1628-A2-001	Tank Sludge Removal from Pre-Selected Areas, Tank T207	Deactivated 7/10/03
85.	PRO-J23-FO-0133	Drum and Box Repack	Deactivated 5/16/02
86.	PRO-N01-RES-030-001	Heated Gas Test Canister Operations	Deactivated 7/10/03
87.	PRO-X28-RS-0116	Combustible Residue Repackaging Room 3701, GB-1509	Deactivated 2/20/00
88.	PRO-X32-RS-0128	Dry Residue Repackaging, Building 707	Deactivated 10/23/01 – Bldg 707 operation complete
89.	PRO-X56-RS-0123	Ash Residue Repack, Building 707	Deactivated 5/21/02 – Bldg 707 operation complete
90.	RS-012-005	Cone & Quartering Method – Solid Sampling and Analysis Plan	Deactivated 12/03 – Building 371 operation complete
91.	RS-020-006	Salt Residue Stabilization, Building 707 Process Control/Qualification Plan	Deactivated 5/18/01 – Bldg 707 operation complete
92.	RS-020-012	Ash Residue Repack, Process Control Plan	Deactivated 4/5/04
93.	RS-020-013	Dry Residue Repackaging Process Control Plan	Deactivated 4/5/04
94.	RS-020-017	Salt Residue Stabilization, Building 707 Qualification Report	Deactivated 5/21/02 – Bldg 707 operation complete
95.	RS-020-018	Combustible Residue Repackaging Process Control Plan	Deactivated 12/10/03
96.	RS-020-021	Salt Residue Repack, Buildings 371 and 707 Process Control Plan	Deactivated 4/5/04
97.	SQM-007	IQ3 Waste Assay Trailer Operating Procedure - Operating and Calibrating the Canberra IQ3 Gamma Scanner	Deactivated - counter shut down 10/1/01
98.	SQM-008	Operating & Calibrating the Canberra Passive Neutron Counter	Deactivated - counter shut down 10/1/01
99.	SQM-009	Operating & Calibrating the Canberra Segmented Gamma Scanner	Deactivated – last counter shut down 10/1/01
100.	SQM-010	Review, Validation, & Reporting Nondestructive Assay (NDA) Data & Results	Deactivated – last counter shut down 10/1/01
101.	SQM-011	Canberra Nuclear NDA Implementation Plan for RFETS Transuranic Waste Characterization Program	Deactivated – last counter shut down 10/1/01
102.	SQM-016	Overview of Canberra Mobile NDA Services RFETS Project	Deactivated – last counter shut down 10/1/01
103.	SQM-120	Mobile Software Configuration Management	Deactivated – last counter shut down 10/1/01
104.	SQM-121	Mobile Software Configuration Verification	Deactivated – last counter shut down 10/1/01
105.	SQM-130	RFETS Transuranic Waste Expert Review	Deactivated – last counter shut down 10/1/01

Superceded Procedures			
	Number	Title	New Procedure Number
1.	1-E93-ADM-16.18	Data Analysis and Trending for Performance Improvement	Superceded by PRO-943-WIPP-007 (6/7/00)
2.	1-MAN-013-S10M	Site Integrated Oversight Manual	Superceded by MAN-131-QAPM, section 6.2.1 and 6.2.2 (11/1/01)
3.	1-MAN-017-LLGI-RM	Site Lessons Learned/Generic Implications Requirements Manual	Superceded by PRO-1541-SLLP (12/31/01)
4.	1-PRO-077-WIPP-005	Management of Waste Information Prior to Transmittal to the Waste Records Center	Superceded by PRO-077-WIPP-005 (12/19/01)
5.	1-T13-Traffic-306	Labeling and Marking TRUPACT Containers	Superceded by PRO-T13-Traffic-306 (5/17/02)
6.	3-Q22-NDA-3000	Review of Non-TWCP Nondestructive Assay Sheets	Superceded by PRO-845-NDA-008 (7/25/01)
7.	4-D15-BBPE-001	WSRIC Building Book Preparation and Editing	Superceded by PRO-1003-WSRIC-ADMIN (10/18/01)
8.	4-J44-RC&I-6600	Procured Item Acceptance & Certification	Superceded by PRO-J44-RC&I-6600 (4/30/01)
9.	4-M63-WI-4013	Final and Loading Inspections for Packages	Superceded by PRO-1045-WI-001 (8/30/00)
10.	4-T20-Traffic-505	Certifying Authorized Payloads for TRUPACT-II	Superceded by PRO-T20-Traffic-505 (5/17/02)
11.	4-T30-Traffic-515	Preparation and Retention of Hazardous Materials Shipping Documents	Superseded by PRO-T30-Traffic-515 (10/31/03)
12.	4-T43-TRAFFIC-528	TRUPACT-II Operations Flow.	Superceded by PRO-T43-Traffic-528, (5/17/02)
13.	DCI SOP NO. MLA 008	Metrology Control of Measuring and Test Equipment	Superceded by PRO-1205-MLA-008 (12/18/00)
14.	L-3007	Calorimetry/Gamma Ray Assay Calculation and Reporting of Results	Superceded by PRO-1297-CLC(RPT-371 (8/10/01)
15.	L-4034	Data Review and Validation for Calorimetric Assay for WIPP TRU Waste Characterization Program	Superceded by PRO-1302-WIPPDATA-371 (11/30/01)
16.	L-4050	TRIFID Gamma-Ray Isotopic Analysis System Qualification	Superceded by PRO-1290-TRIFID-371 (6/21/01)
17.	L-4053	Headspace Gas V&V (Data Generator Level)	Superceded by PRO-1669-HGAS-V&V (6/18/03)
18.	L-4193	Gamma-Ray Isotopic analysis of Pu-bearing Solids in the Building 707 Cal/Gamma Laboratory	Superceded by PRO-1298-ISOAN-371 (11/20/01)
19.	L-4209	Calorimeter Procedure Using the Antech Airbath System in the Building 707 Cal/Gamma Laboratory	Superceded by PRO-1299-AIRBATH-371 (12/10/01)
20.	L-4231	Headspace Gas Sampling and Analysis Using an Automated Manifold	Superceded by PRO-1676-HGAS-S&A (6/18/03)
21.	MAN-012-SCARM	Site Corrective Action Requirements	Superceded by MAN-131-QAPM (11/1/01)
22.	PRO-291-TPO/WO/5035	TRUPACT-II Verification Leak Test, Building 664	Superceded by PRO-1419-WO-LKTST)
23.	PRO-489-TRU-664	TRUPACT-II Operating Instructions for Building 664	Superceded by PRO-1418-WO-TRUOP
24.	PRO-572-PQR-001	Procurement Quality Assurance Requirements	Superceded by PRO-1034-PEQA, appendix 5 (5/21/01)

Superseded Procedures			
	Number	Title	New Procedure Number
25.	PRO-666-PADC569	Operating Building 569 Passive/Active Drum Counter	Superseded by PRO-666-PADC440 (3/9/03)
26.	PRO-692-MGSS-030-002	Non-Heated Gas Test Canister Operations	Superseded by PRO-692-RES-030-002 (7/28/00)
27.	PRO-692-RES-030-002	Non-Heated Gas Test Canister Operations	Superseded by PRO-1654-NHGGT-1983 (March, 2003)
28.	PRO-697-MLC-00013	Preparation and Certification of NDA Standards and Sources	Superseded by PRO-1566-NDA-STD (2/28/02)
29.	PRO-822-DR&V-371,	Data Review and Verification of Wet Combustible Residue Batch Reports	Superseded by PRO-264-RS-0141 (12/14/00)
30.	PRO-864-TGS-371	Setup and Calibration for the Can Counter Tomographic Gamma Scanner (TGS)	Superseded by PRO-1386-TGS-371 (2/12/02)
31.	PRO-984-440-HSGS	C-Cell Operations	Superseded by PRO-1351-440-SWB, effective 10/22/01 (covers headspace gas) & PRO-1358-440-VERP, effective 6/17/02, (covers the C-Cell operations)
32.	PRO-1092-FRAM-569	Operating Building 569 FRAM Gamma Spectroscopy System	Superseded by PRO-1092-FRAM-440 (3/9/03)
33.	PRO-1205-MLA-008	Metrology Control of Measuring and Test Equipment -	Superseded by MAN-092-M&TEM on 10/30/03
34.	PRO-1357-440-HSGS-FAC	Facility Headspace Gas Sampling	Superseded by PRO-984-440-HSGS (8/31/00)
35.	PRO-1541-SLLP	Site Lessons Learned Process	Superseded by PRO-1677-LL/CS (3/3/03)
36.	PRO-T20-Traffic-505	Certifying Authorized Payloads for TRUPACT-II	Superseded by PRO-T43-Traffic-528 on 7/31/03
37.	RF/RMRS-97-108	WEMS Software Validation Specification Development -	Superseded by PRO-1038-WEMS-97-108 on 8/31/00
38.	RS-012-004	Grid Method – Solid Sampling & Analysis Plan	Superseded by PRO-1569-SAP July, 2004

